

A18b
p1
1. (Amended) A method of making a modified pigment comprising reacting a pigment having attached a first chemical group with a second chemical group to form said pigment having attached a third chemical group, wherein the second chemical group reacts with the first chemical group to form the third chemical group, and said first chemical group comprises at least one electrophile and said second chemical group comprises at least one nucleophile, or vice versa, wherein said pigment having attached a first chemical group is prepared by reacting a diazonium salt having the first chemical group with at least one type of pigment to form said pigment having attached a first chemical group, and wherein the first chemical group, the second chemical group, and the third chemical group each comprises at least one organic group selected from the group consisting of: acyl azides, isocyanates, ketones, aldehydes, anhydrides, amides, imides, imines, α,β -unsaturated ketones and aldehydes, alkyl halides, epoxides, alkyl sulfonates and sulfates, amines, hydrazines, thiols, hydrazides, oximes, carbanions, aromatic compounds, and salts and derivatives thereof.

A2
5. (Amended) The method of claim 1, wherein the first chemical group comprises an alkylsulfate group.

A3
9. (Amended) The method of claim 8, wherein the polymer is selected from the group consisting of: a polyamine, a polyalkylene oxide, a polyol, a polyacrylate, and salts and derivatives thereof.

A4
17. (Amended) The method of claim 16, wherein the polymer is selected from the group consisting of: a polyamine, a polyol, a polyalkylene glycol, a polyacrylate, a protein, a polyamino acid, and salts and derivatives thereof.

Sub 27
A5
30. (Amended) A modified pigment comprising a pigment having attached at least one organic group, wherein said organic group comprises: the reaction product of at least one electrophile and a nucleophilic polymer; and an acylating agent, wherein the organic group is attached by reacting a diazonium salt having the electrophile with at least one type of pigment.

AG 34.(Amended) An ink composition comprising a liquid vehicle and a modified pigment, wherein the modified pigment comprises a pigment having attached at least one organic group, wherein said organic group comprises: the reaction product of at least one (2-sulfatoethyl)-sulphone group and at least one nucleophilic polymer.

Sub 37
A17 38.(Amended) An ink composition comprising a liquid vehicle and a modified pigment, wherein the modified pigment comprises a pigment having attached at least one organic group, wherein said organic group comprises: the reaction product of at least one electrophile and a nucleophilic polymer; and an acylating agent, wherein the organic group is attached by reacting a diazonium salt having the electrophile with at least one type of pigment.

Please add the following new claims:

Sub 34
A8 40.(New) A method of making a modified pigment comprising reacting a pigment having attached a first chemical group with a second chemical group to form said pigment having attached a third chemical group, wherein the second chemical group reacts with the first chemical group to form the third chemical group, and said first chemical group comprises an alkylsulfate group.

41.(New) The method of claim 40, wherein the first chemical group comprises a (2-sulfatoethyl)-sulphone group.

42.(New) The method of claim 41, wherein the first chemical group is phenyl-(2-sulfatoethyl)-sulphone. --